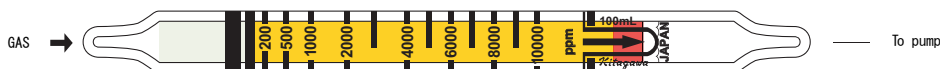


Tube No.  
245UH

# MITC (METHYL ISOTHIOCYANATE)



## 1. PERFORMANCE

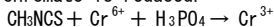
- 1) Measuring range : 200-10,000 ppm  
Number of pump strokes 1 (100mL)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 50ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Yellowish orange → Pale green

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 5% RSD-high : 5%

## 3. CHEMICAL REACTION

Bichromate is reduced.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	%	Interference
Carbon dioxide	60	The accuracy of readings is not affected.
Sulphuryl fluoride	10	The accuracy of readings is not affected.

## TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)				
	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (80°F)	40°C (104°F)
10000	-	-	10000	7500	6100
9000	-	-	9000	7000	5500
8000	-	-	8000	6200	4900
7000	-	-	7000	5400	4300
6000	-	11400	6000	4600	3700
5000	-	8600	5000	3900	3000
4000	11400	6100	4000	3100	2500
3000	7200	4200	3000	2400	1900
2000	3800	2600	2000	1700	1400
1000	1600	1200	1000	900	750
500	650	575	500	450	400
200	200	200	200	200	200